

True or False?

- 1 \mathbb{R}^2 is a two dimensional subspace of \mathbb{R}^3 .
- 2 The number of vars in $A\mathbf{x} = \mathbf{0}$ is the dim of $\text{Null}(A)$
- 3 A vector space is infinite dimensional if it is spanned by an infinite number of vectors.
- 4 The only three dimensional subspace of \mathbb{R}^3 is \mathbb{R}^3 itself.

